Son et al.
System and Method for Web Presentation Utilizing Voice,
Voice-Over, Text, Streaming Images and Escorted
Browsing, In Real Time
S/N Unassigned
Atty. Docket #21046-0301

3CIM Product Complete Flowchart

FIG. 1

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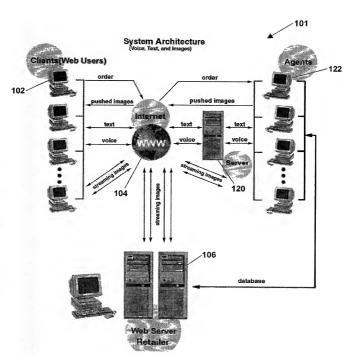S/N Unassigned
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101

System Architecture
(Voice, Text, and Images)

Clients(Web Users)

Agents — 122

102

order   order

pushed images   pushed images

Internet

text   text   text

voice   voice   voice

WWW

Server

streaming images   streaming images

104   120

streaming images

106

database

Web Server
Retailer

FIG.2

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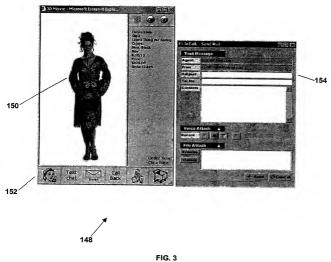Browsing, In Real Time
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FIG. 3

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FIG. 4

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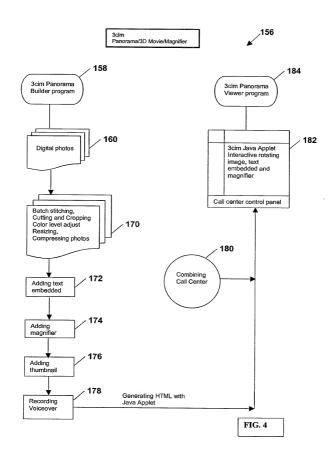Atty. Docket #21046-0301

156

186 — open image source

188 — image orientation correct? — no → rotate images — 190

yes

192 — image source color ok? — no → adjust brightness and contrast of image source — 194

yes

196 — stitch the images to form a panoramic image

198 — is image color ok? — no → enter brightness and contrast value (200) → adjust brightness and contrast of image (201) — 204

yes

202 — need cutting or cropping? — yes → select area to cut or crop (203) → cut or crop image (204)

no

FIG. 5A

205 — is image size ok? — no → enter image height (206) → resize image (208)

yes

210 — is file size ok? — no → enter target file size (212)

↓

compress the image file — 214

yes ← yes — is image quality ok — no — 216

218 — add embedded text? — yes → enter text position, content and url link (220) → create embedded text (222)

no

FIG. 5B, operation #224

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FIG. 5B

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FIG. 6

start

load panoramic image

252

254 — has embedded text? → add embedded text — 256

258 — has magnifier? → add magnifier — 260

262 — has voiceover? → add voiceover — 264

266 — has call center? → add call center — 268

270

272 — play, pause, stop and restart voiceover audio

user input

274 — login to call center and make a voice chat, text chat, voice or text email, call back or place an order

view panorama — 276

mouse move — 278

280 — mouse state — mouse up — 282 — has magnifier? — yes → show magnifier — 284

288

mouse down

290 — display image right to current ← left — mouse moving direction — right▶ display image left to current

286

stop

display still image — 292

250

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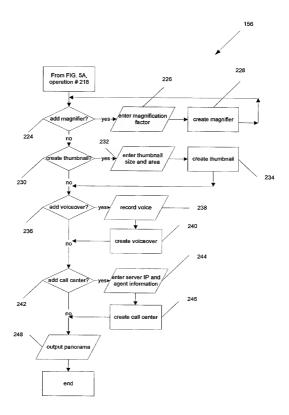S/N Unassigned
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296

open image source — 298 — 302

image orientation correct? — no → rotate images — 300

305 — 306

yes

Image source color ok? — no → enter brightness and contrast value → adjust brightness and contrast of image source — 304 — 309

yes — 308

need cutting or cropping? — yes → select area to cut or crop → cut or crop image — 307

no

is image size ok? — no → enter image height → resize image — 310 — 312 — 311

yes

preview 3DMovie — 314

is active frame file size ok? — no → enter target file size — 316 — 318

compress the image file — 320

is image quality ok — yes / no — 322

apply to all frames — 324

add embedded text? — yes → enter frame number, text position, content and url link. → create embedded text — 326 — 330 — 332

no — 338

add magnifier? — yes → enter frame number and magnification factor → create magnifier — 334 — 336

no

To FIG. 7B, operation #340

FIG. 7A

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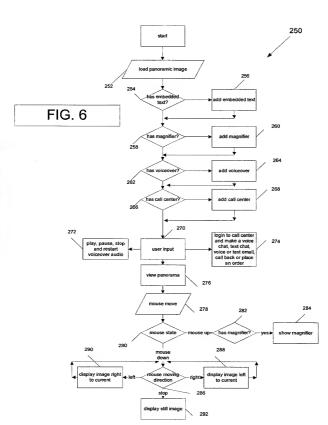Browsing, In Real Time
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296

FIG. 7B

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FIG. 8

start

load 3DMoive images — 362

has embedded text? — 364
yes → add embedded text — 366
no

has magnifier? — 368
yes → add magnifier — 370
no

has voiceover? — 372
yes → add voiceover — 374
no

has call center? — 376
yes → add call center — 378
no

play, pause, stop and restart voiceover audio — 382
user input — 380
login to call center and make a voice chat, text chat, voice or text email, call back or place an order — 384

view 3DMovie — 386

mouse move — 388

mouse moving direction — 390
left → display previous frame — 394
right → display next frame — 392
stop

keep displaying current frame — 396

current frame — 398
has text embedded → show text — 402
has magnifier → show magnifier — 400

360

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FIG. 9A

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404

FIG. 9B

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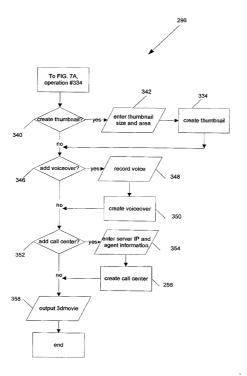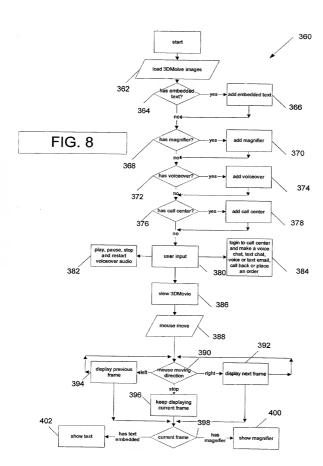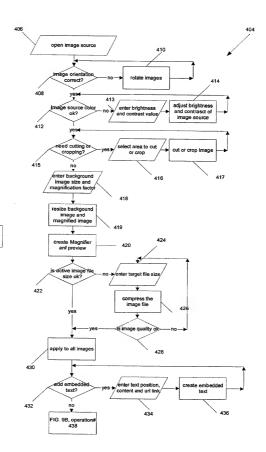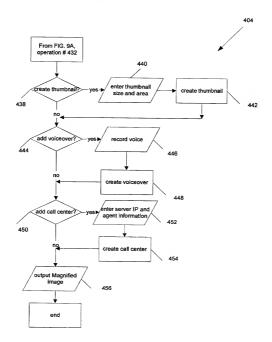
460

FIG. 10

```
                          ┌──────────┐
                          │   start  │
                          └────┬─────┘
                               │
                     ┌─────────▽──────────┐
                     │   load Magnifier   │
                     └─────────┬──────────┘
          462                  │
                          ╱────▽────╲
                         ╱  has      ╲    yes    ┌──────────────────┐
                         ╲  embedded  ╱─────────▶│ add embedded text│
                          ╲  text?   ╱           └─────────┬────────┘
           464             ╲───┬───╱                       │   466
                               │ no ◀──────────────────────┘
                          ╱────▽────╲
                         ╱  has      ╲    yes    ┌──────────────────┐
                         ╲  magnifier?╱─────────▶│   add magnifier  │
                          ╲────┬────╱            └─────────┬────────┘
           468                 │ no ◀────────────────────── ┘   470
                          ╱────▽────╲
                         ╱  has      ╲    yes    ┌──────────────────┐
                         ╲ voiceover? ╱─────────▶│   add voiceover  │
                          ╲────┬────╱            └─────────┬────────┘
           472                 │ no ◀────────────────────── ┘   474
                          ╱────▽────╲
                         ╱  has call  ╲   yes    ┌──────────────────┐
                         ╲  center?   ╱─────────▶│   add call center│
           476            ╲────┬────╱            └─────────┬────────┘
                               │ no ◀──────────────────────┘   478
```

play, pause, stop and restart voiceover audio	◀──	user input	──▶	login to call center and make a voice chat, text chat, voice or text email, call back or place an order
482		480		484

```
                     ┌────────────────┐
                     │ view Magnifier │
                     └───────┬────────┘
         486                 │
                      ┌──────▽───────┐
                      │  mouse move  │
                      └──────┬───────┘
         488                 │
                      ┌──────▽───────┐
                      │ magnifier move│
                      └──────────────┘
         490
```